Caesar Cipher Disk

Kit contains:

- 2 Cipher disk pieces
- 1 Brass fastener

You will need: scissors, hole punch/nail

Cipher: *Letters, numbers, or signs that are used to replace the letters of a message that you want to conceal.*

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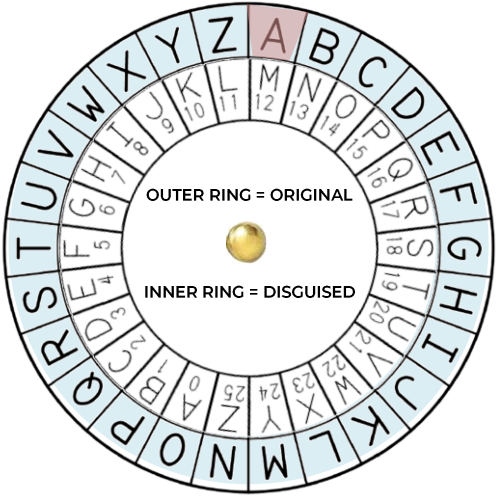
INSTRUCTIONS

Step 1. Cut out the two cipher disk circles.

Step 2. Use a hole punch or nail to poke a hole in the center of each circle.

Step 3. Place the smaller circle atop the larger and attach with the brass fastener.



Plain: A B C D
↓ ↓ ↓ ↓
Shifted: M N O P

The Roman Emperor Julius Caesar disguised messages by shifting the letters of the alphabet. With your cipher disk, you can switch between any of these 25 disguises.

Example: Disguise the word “giraffe” using an A → M shift.

The outer ring represents the original letters. The inner ring shows the disguised letters. An A → M shift moves the letters 12 positions.

giraffe = sudmrrq

E F G H I J K L M N O P Q R S T U V W X Y Z
↓ ↓
Q R S T U V W X Y Z A B C D E F G H I J K L

USE YOUR CIPHER DISK TO DISGUISE A SECRET MESSAGE

1. Shift the inner ring. Record the shift.

   Example: A → M = 12

2. Find each letter of your word on the outer ring. Record the disguised letter written on the inner ring.

   Example: B in “boy” is now N

3. Trade disguised words AND shift value with a friend.

4. Turn your cipher disk to match your friend’s shift.

5. Decipher the hidden word by matching the letters on the (disguised) inner ring to the (original) outer ring.

   Example: N (inner) is B (outer)